

EXPRESS MAIL LABEL NO:

EU630670399US

5      **Application-Specific Object-Based Segmentation and Recognition System**

This application claims the benefit of U.S. Provisional Application No.

60/405,346

10     **FIELD OF THE INVENTION**

The present invention relates to video-based recognition and tracking systems for recognizing within the frames of digitally-based video data an object of interest against a background of objects not of interest, and for confirming that the object is of the type that is desired to be detected, e.g., a human intruder for a security type system, and continuing to track the object and confirm its categorization as an object of interest.

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15     **RELATED APPLICATIONS**

This application is related to the contemporaneously filed applications of the common assignee of this application having the same inventors and having Attorney Docket Nos.: 1044-411-01 and 1044-412-01, the disclosures of which are hereby incorporated by reference.

*SERIAL NUMBERS #10/646,573 & #10/646,223,  
RESPECTIVELY,*

20     **SOFTWARE SUBMISSION**

Accompanying this application is a CD-ROM with a copy of software currently utilized by the inventors in implementing the invention as disclosed in this application, the content of which is hereby incorporated by reference as if the source code were printed out and included in the text of this application.

25     **BACKGROUND OF THE INVENTION**